
MT2030
CLIMATE
SUMMIT
SUN VALLEY 26
PRESENTED BY TORUS

FROM PLANNING TO PERFORMANCE

Designing resilience into mountain communities



WHAT MAKES A BUILDING RESILIENT?



RESILIENCE ISN'T A FEATURE.
IT'S AN OUTCOME.

01 PLANNING → 02 DESIGN → 03 CONSTRUCTION → 04 OPERATION → 05 PERFORMANCE

All of these stages affect how well that building can respond when conditions change.

WHAT ARE WE DESIGNING FOR?

WILDFIRE WEATHER WATER POWER CHANGE

Future-proofing starts with programming.

HOW DOES THE BUILDING RESPOND?

Translate hazards into architecture.

EMBERS
Sealed envelope

SMOKE
Filtered fresh air

RADIANT HEAT
Non-combustible cladding



WHAT HAPPENS WHEN SYSTEMS FAIL?





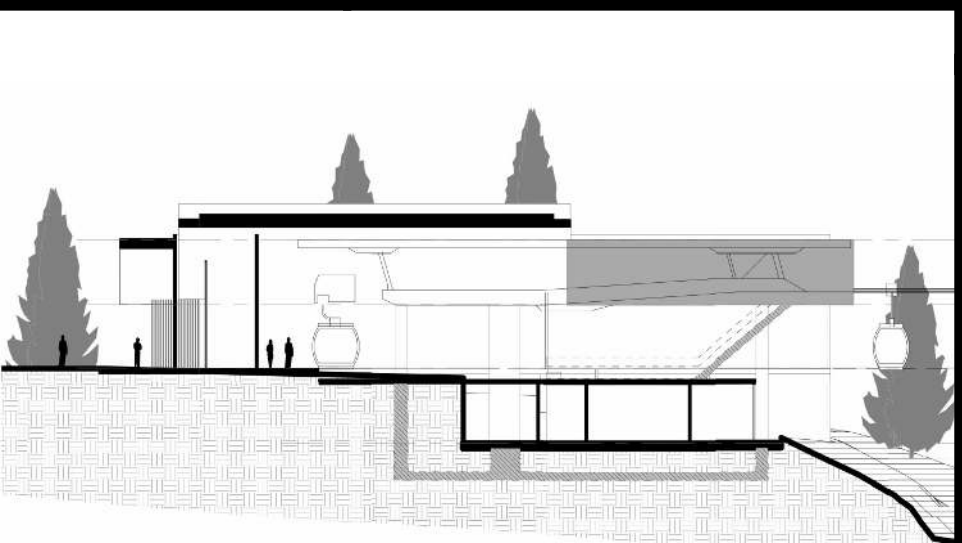
Efficiency buys time. Resilience is what we do with that time.

WHAT IF THE BUILDING CHANGES?

Resilience means **preserving options.**









03 CONSTRUCTION

CAN WE ACTUALLY BUILD IT HERE?

Construction methodology is part of resilient design.



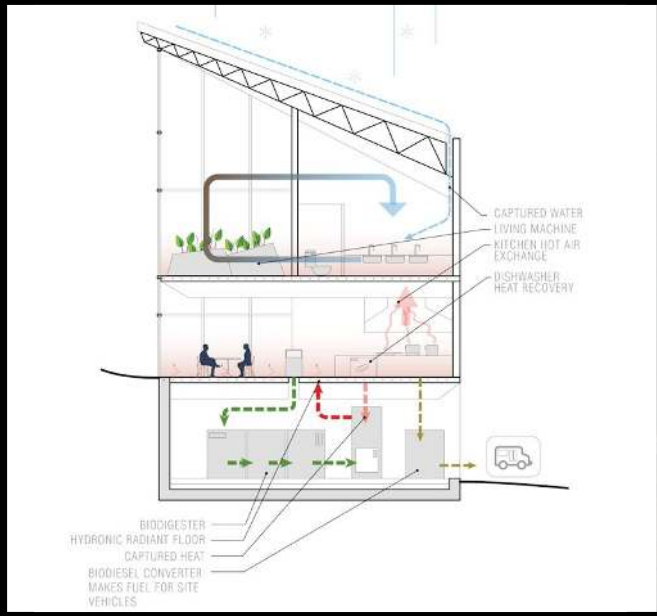


ACCESS LABOR TRANSPORT WEATHER PREFABRICATION

HOW DOES THE BUILDING ACTUALLY OPERATE?

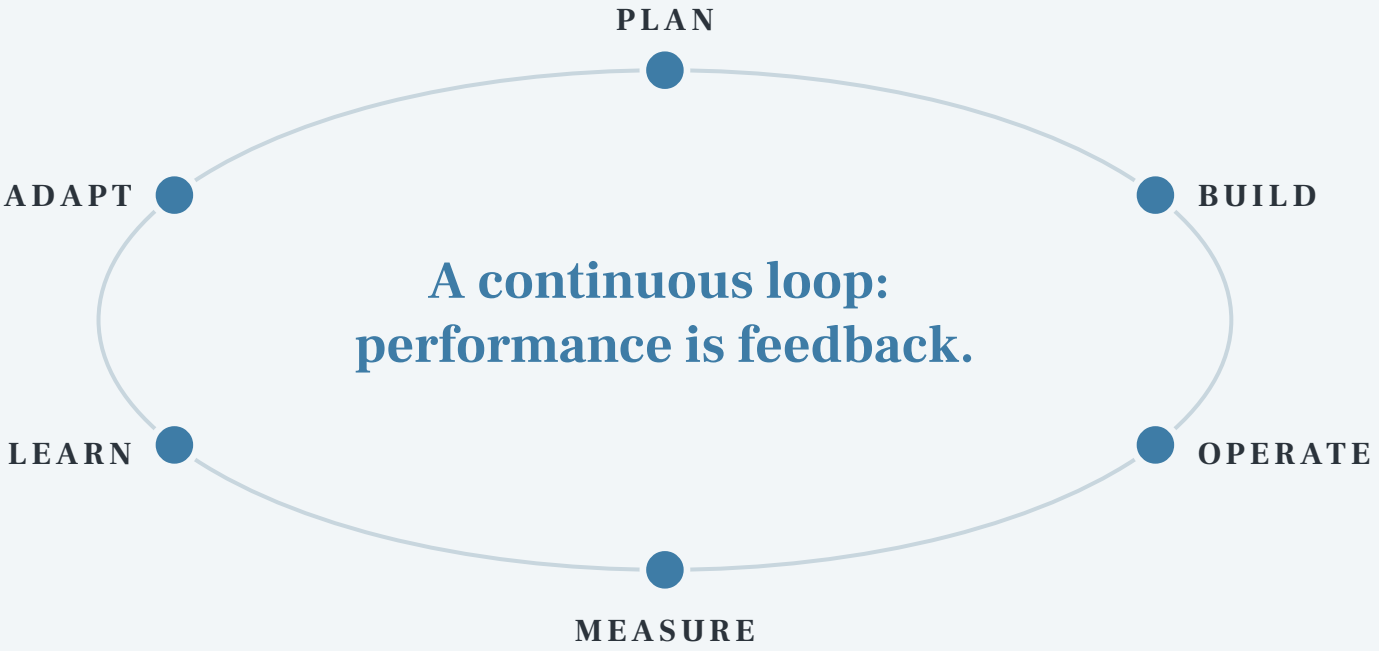
Resilience must work in the real world.





OCCUPANTS COMFORT MAINTENANCE ENERGY WATER SYSTEMS

DOES IT ACTUALLY PERFORM?



RESILIENCE DOESN'T STOP AT THE BUILDING.

Sometimes the most resilient solution isn’t within the building.





TRANSPORTATION HOUSING WATER ECOLOGY ENERGY COMMUNITY FUNDING


WE DON’T HAVE TO PREDICT THE FUTURE.
PLANNING
DESIGN
CONSTRUCTION
OPERATION
PERFORMANCE
WE HAVE TO DESIGN TO ADAPT.